

WHAT IS CLAIMED IS:

1. A barrier operator system for moving a barrier between open and closed positions, including:

an operator mechanism operably connected to a barrier for moving said barrier between open and closed
5 positions;

a base controller operably associated with said operator mechanism for causing said operator mechanism to move said barrier;

at least one remote controller adapted for signal
10 transmitting communication with said base controller, said at least one remote controller including a speech activatable unit comprising a speech recognition module programmable to recognize one or more spoken words for effecting operation of said barrier to move between said
15 open and closed positions.

2. The barrier operator system set forth in Claim 1 wherein:

said at least one remote controller includes a radio frequency (RF) transmitter operably connected to said
5 speech recognition module for transmitting a radio frequency signal to said base controller in response to a signal from said speech recognition module.

3. The barrier operator system set forth in Claim 2 including:

a microcontroller operably connected to said RF transmitter and to said speech recognition module and
5 operable to transmit a signal to said RF transmitter on receipt of a signal from said speech recognition module.

4. The barrier operator system set forth in Claim 3
wherein:

 said microcontroller is operable to provide a
 rolling code signal for transmission by said RF transmitter.

5. The barrier operator system set forth in Claim 2
wherein:

 said at least one remote controller includes a
 keypad operably connected to a microcontroller and operable
5 to provide a signal to said microcontroller to command
operation of said RF transmitter.

6. The barrier operator system set forth in Claim 2
wherein:

 said at least one remote controller is hardwired
 to said base controller.

7. The barrier operator system set forth in Claim 1
wherein:

 said at least one remote controller includes a
 radio frequency (RF) transmitter operably connected to a
5 microcontroller for transmitting signals to said base
controller.

8. The barrier operator system set forth in Claim 1
wherein:

 said speech recognition module includes a
 microphone for receiving a human voice signal including a
5 gateway word and at least one command word for effecting at
 least one of controlling lighting within or adjacent to an
 enclosure closed by said barrier and controlling opening and
 closing of said barrier.

9. The barrier operator system set forth in Claim 1
wherein:

 said barrier comprises an upward acting garage
door.

10. The barrier operator system set forth in Claim 1
wherein:

 said speech recognition module is operable to
respond to voice commands in a speaker dependent mode.

11. The barrier operator system set forth in Claim 1
wherein:

 said speech recognition module is operable to
continuously listen for at least one of a gateway word and a
5 command word for causing said at least one remote controller
to effect transmission of a signal to said base controller.

12. The barrier operator system set forth in Claim 1
wherein:

 said at least one remote controller includes a
manually actuatable switch for effecting operation of said
5 barrier to move between open and closed positions.

13. The barrier operator system set forth in Claim 12
wherein:

 said at least one remote controller includes a
multi-digit keypad.

14. A door operator system for moving an upward acting door between open and closed positions, including:

an operator mechanism operably connected to a door for moving said door between open and closed positions;

5 a base controller operably associated with said operator mechanism for causing said operator mechanism to move said door;

a wall mounted remote controller adapted for signal transmitting communication with said base controller, 10 said remote controller including a speech activatable unit comprising a speech recognition module programmable to recognize one or more spoken words for effecting operation of said door to move between said open and closed positions;

15 a radio frequency (RF) transmitter operably connected to said speech recognition module for transmitting a radio frequency signal to said base controller in response to a signal from said speech recognition module; and

20 a microcontroller operably connected to said RF transmitter and to said speech recognition module and operable to transmit a signal to said RF transmitter on receipt of a signal from said speech recognition module.

15. The operator system set forth in Claim 14 wherein:
said microcontroller is operable to provide a rolling code signal for transmission by said RF transmitter.

16. The operator system set forth in Claim 14 wherein:
said remote controller includes a keypad operably connected to said microcontroller and operable to provide a signal to said microcontroller to command operation of said 5 RF transmitter.

- F06720 "004600660
17. The operator system set forth in Claim 14 wherein:
said speech recognition module includes a
microphone for receiving a human voice signal including a
gateway word and at least one command word for effecting at
least one of controlling lighting within or adjacent to an
enclosure closed by said door and controlling opening and
closing of said door.
 18. The operator system set forth in Claim 14 wherein:
said speech recognition module is operable to
respond to voice commands in a speaker dependent mode.
 19. The operator system set forth in Claim 14 wherein:
said speech recognition module is operable to
continuously listen for at least one of a gateway word and a
command word for causing said remote controller to effect
transmission of a signal to said base controller.
 20. The operator system set forth in Claim 14 wherein:
said remote controller includes a manually
actuatable switch for effecting operation of said door to
move between open and closed positions.
 21. The operator system set forth in Claim 20 wherein:
said remote controller includes a multi-digit
keypad, for controlling said microcontroller.